



Our Docket No.: 003918.P002XX7

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Edwin Dair

Application No.: 09/833,238

Filed: April 10, 2001

For: METHODS AND APPARATUSES

FOR MULTIBOARD FIBER OPTIC

MODULES AND FIBER OPTIC

MODULE ARRAYS

Examiner: Unassigned RECEIVED

Art Group: 2838 MAY 2 8 2002

Technology Center 2600

# INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

Applicants in accordance with their duty of disclosure under 37 CFR §1.56 and in accordance with 37 CFR §1.97(c)(2), submit the enclosed PTO-1449 Forms. Pursuant to 37 CFR 1.98(d), copies of the patents, publications and other information listed on the enclosed Form PTO-1449 are not included herewith. Copies of these references can be found in prior U.S. Patent Applications upon which this application claims the benefit thereof.

Pursuant to 35 USC 120, the above referenced U.S. Patent Application claims the benefit of and is a continuation-in-part of Application No. 09/321,308, filed May 27, 1999.

Pursuant to 37 CFR 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

This Information Disclosure Statement is being filed prior to a first office action or notice of allowance. Pursuant to 37 CFR §1.97(b), no fee is required for the filing of this Information Disclosure Statement.

Applicant respectfully requests that the cited documents be considered and that the enclosed PTO-1449 forms be initialed by the Examiner to indicate such consideration and a copy thereof be returned to Applicant.

Respectfully submitted

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN, LLP

Dated: May 7, 2002

William E. Alford Registration No.

CERTIFICATE OF MAILING

12400 Wilshire Boulevard. Seventh Floor Los Angeles, California 90025 (714) 557-3800

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on:

Suean McFarlane

5/7/02

Substitute	e for Form 1449A/P	то		Comple	ete if Known		
				Application Number	09/833,238	RECEIVE	-
INFORMATION DISCLOSURE				Filing Date	04/10/01		
STATEMENT BY APPLICANT		First Named Inventor	Edwin Dair	MAY 2 8 200	72		
				Group Art Unit			
	(Use as many	sheets as n	ecessary.)	Examiner Name	Unassigned	<del>Technolo</del> gy Center	260
Sheet	1	of	7	Attorney Docket Number	003918.P002XX7		40(

## U.S. PATENT DOCUMENTS

Exam.	Document				Sub-	Filing Date
Initials	Number	Date	Name	Class	class	(if appropriate)
	3,792,284	2/12/74	Kaelin			
	3,809,908	5/7/74	Clanton			
	3,870,396	3/11/75	Racki, et al.			
	3,976,877	8/24/76	Thilays			
	4,161,650	7/17/79	Caouette, et al.			
	4,229,067	10/21/80	Love			
	4,273,413	6/16/81	Bendikens, et al.			
	4,347,655	9/7/82	Zory, et al.			
	4,419,072	4/10/79	Smith, et al.			
	4,432,604	2/21/84	Schwab			
	4,446,515	5/1/84	Sauer, et al.			
	4,449,244	5/15/84	Kopainsky			
	4,461,537	7/24/84	Raymer, II, et al.			
	4,493,113	1/8/85	Forrest, et al.			
	4,533,209	8/6/85	Segerson, et al.			
	4,534,616	8/13/85	Bowen, et al.			
	4,535,233	8/13/85	Abraham			
	4,539,476	9/3/85	Donuma, et al.			
	4,542,076	9/17/85	Bednarz, et al.			
	4,549,782	10/29/85	Miller			

### FOREIGN PATENT DOCUMENTS

Exam. Initials	Document Number	Data	Country	Class	Sub- class	Transl Yes	ation No
initiais	0 652 696 A1	Date 11/2/94	Country EPO	Class	Class	1 es	NO
	0 032 030 A1	11/2/34	LIO				-
							- <del></del>
				.			
				<del>                                     </del>			

Examiner	Date	
Signature	 Considered	



Substitute	for Form 1449A/PTO			Comple	Complete if Known RFCF		
				Application Number	09/833,238	RECEIVED	
II	NFORMATION	DISC	LOSURE	Filing Date	04/10/01	MAY 2 8 2002	
STATEMENT BY APPLICANT		First Named Inventor	Edwin Dair	2002			
				Group Art Unit	2633	Technology Center 2600	
	(Use as many she	ets as ne	cessary.)	Examiner Name	Unassigned	2000	
Sheet	2	of	7	Attorney Docket Number	003918.P002	2XX7	

### U.S. PATENT DOCUMENTS

		<u>U.S.</u>	PATENT DOCUMENTS			
Exam.	Document				Sub-	Filing Date
Initials	Number	Date	Name	Class	class	(if appropriate)
	4,549,783	10/29/85	Schmachtenberg, III			
	4,553,811	11/19/85	Becker, deceased, et al.			
	4,580,295	4/1/86	Richman			
	4,595,839	6/17/86	Braun, et al.			
	4,612,670	9/16/86	Henderson			
	4,625,333	11/25/86	Takezawa, et al.			
	4,647,148	3/3/87	Katagiri			
	4,678,264	7/7/87	Bowen, et al.			
	4,720,630	1/19/88	Takeuchi, et al.			
	4,727,248	2/23/88	Meur, et al.			
	4,807,955	2/28/89	Ashman, et al.			
	4,840,451	6/20/89	Sampson, et al.			
	4,844,581	7/4/89	Turner			
	4,881,789	11/21/89	Levinson			
	4,897,711	1/30/90	Blonder, et al.			
	4,913,511	4/3/90	Tabalba, et al.			
	4,945,229	7/31/90	Daly, et al.			
	4,979,787	12/25/90	Lichtenberger			
	4,986,625	1/22/91	Yamada, et al.			
	4,989,934	2/5/91	Zavracky, et al.			

## FOREIGN PATENT DOCUMENTS

Exam. Initials	Document Number	Date	Country	Class	Sub- class	Transl Yes	lation No
		Dute		Class	1	1	
<del> </del>	-					+	
	-		4.00				

Examiner	Date	
Signature	Considere	<u> </u>



MAY 2 2 2002

Substitute	e for Form 1449	A/PTO		Comple	ete if Known	REC	EIVED	
				Application Number	09/833,238		E I A E D	
INFORMATION DISCLOSURE				Filing Date	04/10/01	MAY	8 2002	
	STATEMENT BY APPLICANT			First Named Inventor	Edwin Dair			
				Group Art Unit	2633	1echnology	Center 2600	
(Use as many sheets as necessary.)			ecessary.)	Examiner Name	Unassigned			
Sheet	3	of	7	Attorney Docket Number	003918.P002X	X7		

## U.S. PATENT DOCUMENTS

Exam.	Document				Sub-	Filing Date
Initials	Number	Date	Name	Class	class	(if appropriate)
	5,005,939	4/9/91	Arvanitakis, et al.			
	5,011,246	4/30/91	Corradetti, et al.			
	5,039,194	8/13/91	Block, et al.			
	5,043,775	8/27/91	Lee			
	5,093,879	3/3/92	Bregman, et al.			
	5,099,307	3/24/92	Go, et al.			
	5,104,243	4/14/92	Harding			
	5,109,453	4/28/92	Edwards, et al.			
	5,117,476	5/26/92	Yingst, et al.			
	5,122,893	6/16/92	Tolbert			
	5,136,152	8/4/92	Lee			
	5,155,786	10/13/92	Ecker, et al.			
	5,159,190	10/27/92	Hohberg, et al.			
	5,168,537	12/1/92	Rajasekharan, et al.			
	5,202,943	4/13/93	Carden, et al.			
	5,241,614	8/31/93	Ecker, et al.			
	5,259,054	11/2/93	Benzoni, et al.			
	5,280,191	1/18/94	Chang			
	5,285,512	2/8/94	Duncan, et al.			
	5,289,345	2/22/94	Corradetti, et al.			

### **FOREIGN PATENT DOCUMENTS**

Exam.	Document				Sub-	Trans	
Initials	Number	Date	Country	Class	class	Yes	No
			44-				
					<u> </u>		

Examiner	Date	
Signature	Considered	



MAY 1 1 2002

Substitute	e for Form 1449A/PTO			Complete if Known			EIVED
			*	Application Number	09/833,238	,,,,,,	LIVED
I	NFORMATION	N DISC	LOSURE	Filing Date	04/10/01	MAY	2 8 2002
9	STATEMENT BY APPLICANT		First Named Inventor	Edwin Dair			
1				Group Art Unit	2633	Technolog	y Center 2600
	(Use as many she	ets as ne	cessary.)	Examiner Name	Unassigned	•	2000
Sheet	4	of	7	Attorney Docket Number	003918.P002X	X7	

#### U.S. PATENT DOCUMENTS

Exam.	Document	•			Sub-	Filing Date
Initials	Number	Date	Name	Class	class	(if appropriate)
	5,295,214	3/15/94	Card, et al.			
	5,337,396	8/9/94	Chen, et al.			
	5,337,398	8/9/94	Benzoni, et al.			i garan d
	5,345,524	9/6/94	Lebby, et al.			
	5,361,244	11/1/94	Nakamura, et al.			
	5,414,787	5/9/95	Kurata			
	5,416,668	5/16/95	Benzoni			
	5,416,870	5/16/95	Chun, et al.			
	5,416,871	5/16/95	Takahashi, et al.			
	5,416,872	5/16/95	Sizer, II et al.			
	5,428,704	6/27/95	Lebby, et al.			
	5,434,747	7/18/95	Shibata			
	5,446,814	8/29/95	Kuo, et al.			
	5,452,387	9/19/95	Chun, et al.			
	5,455,703	10/3/95	Duncan, et al.			
	5,462,630	7/11/95	Lebby, et al.			,
	5,473,715	12/5/95	Schofield, et al.			
	5,475,783	12/12/95	Kurashima			
	5,482,658	1/9/96	Lebby, et al.			
	5,499,311	3/12/96	DeCusatis			

## FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Sub- class	Transi Yes	lation No
						<u></u>
		AND	<b> </b>			
		1				

Examiner	Date	
Signature	Considered	

MAY 2 : 2000



Substitute	for Form 1449A/PTO		-,	Comple	ete if Known	DEOCH (To
				Application Number	09/833,238	RECEIVED
l II	NFORMATION	DISC	LOSURE	Filing Date	04/10/01	MAV 2 9 2000
S	TATEMENT B	Y APP	LICANT	First Named Inventor	Edwin Dair	MAY 2 8 2002
				Group Art Unit	2633	Technology Center 2600
	(Use as many she	ets as nec	cessary.)	Examiner Name	Unassigned	Centre 5000
Sheet	5	of	7	Attorney Docket Number	003918.P002	XX7

#### U.S. PATENT DOCUMENTS

		U.S.	PATENT DOCUMENTS			
Exam.	Document				Sub-	Filing Date
Initials	Number	Date	Name	Class	class	(if appropriate)
	5,499,312	3/12/96	Hahn, et al.			
	5,515,468	5/7/96	DeAndrea, et al.			
	5,528,408	6/18/96	McGinley, et al.			
	5,535,296	7/9/96	Uchida			
	5,537,391	8/9/94	Lebby			
	5,546,281	8/13/96	Poplawski, et al.			
	5,548,677	8/20/96	Kakii, et al.			
	5,550,941	8/27/96	Lebby, et al.			
	5,561,727	10/1/96	Akita, et al.			
	5,596,663	1/21/97	Ishibashi, et al.			
	5,636,298	6/3/97	Jiang, et al.			
	5,687,267	11/11/97	Uchida			
	5,708,743	1/13/98	DeAndrea, et al.			
	5,717,533	2/10/98	Poplawski, et al.			
	5,734,558	3/31/98	Poplawski, et al.			
	5,736,782	4/7/98	Schairer			
	5,751,471	5/12/98	Chen, et al.			
	5,767,999	6/16/98	Kayner			
	5,774,614	6/30/98	Gilliland,et al.			
	5,778,127	7/7/98	Gilliland, et al.			

### FOREIGN PATENT DOCUMENTS

Exam.	Document				Sub-	Trans	
Initials	Number	Date	Country	Class	class	Yes	No
<del></del>							
			#10 13-RP	<del> </del>			
	,						

Examiner	Date	
Signature	Considered	

11.4 2 2 2007



Substitute for Form 1449A/PTO		Comple	<b>N</b> -				
ļ				Application Number	09/833,238	RECEI	VFD
INFORMATION DISCLOSURE		Filing Date	04/10/01				
5	STATEMENT BY APPLICANT		First Named Inventor	Edwin Dair	MAY 2 8	8 2002	
				Group Art Unit	2633	Technology	
	(Use as many sh	eets as n	ecessary.)	Examiner Name	Unassigned	Technology Co	enter 2600
Sheet	6	of	7	Attorney Docket Number	003918.P002		

## **U.S. PATENT DOCUMENTS**

		<u> </u>	PATENT DOCUMENTS		-	<b>,</b>
Exam.	Document				Sub-	Filing Date
Initials	Number	Date	Name	Class	class	(if appropriate)
	5,812,582	9/22/98	Gilliland, et al.			
	5,812,717	9/22/98	Gilliland, et al.			
	5,815,623	9/29/98	Gilliland, et al.			
	5,864,468	1/26/99	Poplawski, et al.			
	5,879,173	3/9/99	Poplawski, et al.			
	6,061,493	5/9/00	Gilliland, et al.			
	6,071,017	6/6/00	Gilliland, et al.			
	Re 63,820	8/15/00	McGinley, et al.			
		***************************************				
	-					
		· · ·				

## FOREIGN PATENT DOCUMENTS

Exam. Initials	Document Number	Date	Country	Class	Sub- class	Trans Yes	ation No
							-
				-			

Examiner	Date
Signature	Considered

PTO/SB/06B (10-98)
Patent a RISAN Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449A/PTO				Comple		
				Application Number	09/833,238	
INFORMATION DISCLOSURE				Filing Date	04/10/01	RECEIVED
STATEMENT BY APPLICANT			PLICANT	First Named Inventor	Edwin Dair	
				Group Art Unit	2633	MAY 2 8 2002
(Use as many sheets as necessary.)				Examiner Name	Unassigned	
Sheet	7	of	7	Attorney Docket Number	003918.P002XX	Technology Center 260

Exam.	Cite	Document Identification
Initials	No.1	
		BUCZYNSKI, et al., Fast Optical Thresholding with an Array of Optoelectronic Transceiver Elements, IEEE Photonics Technology Letters, Vol. 11, No. 3, March 1999
		HEINRICH, et al., Low-Cost VCSEL-Transceiver Module for Optical Data Busses, IEEE, 1997
		ROSINSKIE, et al., Multichannel Transmission of a Mulitcore Fiber Coupled with Vertical-Cavity Surface-Emitting Lasers, Journal of Lightwave Tech, Vol. 17, No. 5, May 1999
		CROW, et al., The Jitney Parallel Optical Interconnect, 1996 Electronic Components and Technology Conference
		R.T. CHEN and P.S. GULFOYLE (Eds.) Optoelectronic Interconnects and Packaging, Critical Reviews, Vol. CR62 (1996), Pgs. 48-63, 64-67, 229-243, 393-404, 405-414, 442-460, Spic Optical Engineering Press, Washington
		R.G. HUNSPERGER, Integrated Optics: Theory and Technology (2nd Ed.), 1985, Pgs. 89-106, 236-245, Springer-Verlag Berlin Heidelberg, Germany
		A. CHATAK and K. THYAGARAJAN, Introduction to Fiber Optics, 1998, Pgs. 411-413, 447-449, 467-473, Cambridge University Press, United Kingdom
		R.C. DORF, Electrical Engineering Handbook, 1993, Pgs. 1682-1684, CRC Press, Inc., Florida

Examiner	Date	
Signature	Considered	

<sup>&</sup>lt;sup>1</sup> Unique citation designation number.